



(19) 世界知的所有権機関 国際事務局



(43) 国際公開日 2004年7月1日(01.07.2004)

PCT

(10) 国際公開番号

(51) 国際特許分類7:

WO 2004/055600 A1

G03G 9/097, 9/113, 15/06, 15/08

(21) 国際出願番号:

PCT/JP2003/013519

(22) 国際出願日:

2003年10月23日(23.10.2003)

(25) 国際出願の言語:

日本語

(26) 国際公開の言語:

日本語

(30) 優先権データ: 特願 2002-316615

2002年10月30日(30.10.2002)

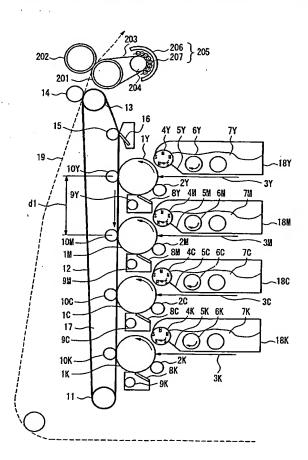
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- (81) 指定国(国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI,

[続葉有]

(54) Title: TWO-COMPONENT DEVELOPER AND METHOD OF FORMING IMAGE THEREWITH

(54) 発明の名称: 二成分現像剤及びこれを用いた画像形成方法



(57) Abstract: A two-component developer comprising a toner, the toner comprising a carrier coated with a resin composition, the resin composition comprising an aminosilane coupling agent and a fluorinated silicone resin. and a wax selected from among those of the following A to D. This two-component developer realizes high OHP light transmission, offset prevention and prolonged service life. (A) synthetic wax of 80 to 120°C endothermic peak temperature in DSC analysis and 5 to 80 mgKOH/g acid value obtained by reacting of a C₄-C₃₀ long chain alkyl alcohol, an unsaturated polyhydric carboxylic acid or anhydride thereof and an unsaturated hydrocarbon wax. (B) ester wax of 50 to 120°C endothermic peak temperature in DSC analysis, 25 or less iodine value and 30 to 300 saponification value. (C) fatty acid amide wax selected from among C₁₆-C₂₄ aliphatic amide waxes and alkylene bis-fatty acid amides from saturated or 1 to 2-hydric unsaturated fatty acids. (D) fatty acid ester wax selected from among hydroxystearic acid derivatives, glycerol fatty acid esters, glycol fatty acid esters and sorbitan fatty acid esters.

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) 指定国 (広域): ARIPO 特許 (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR),

OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

添付公開書類:

一 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(57) 要約:



Form DCT/ICA /710 (cannot cheet) (Tuly 1000)

INTERNATIONAL SEARCH REPORT

International application No.

		PCI/C	JP03/13519
A. CLASS Int	SIFICATION OF SUBJECT MATTER .Cl ⁷ G03G9/097, G03G9/113, G0	3G15/06, G03G15/08	
According	to International Patent Classification (IPC) or to both	national classification and IPC	
	SEARCHED		
Minimum o	documentation searched (classification system followe . C1 ⁷ G03G9/097, G03G9/113, G03	d by classification symbols)	· · · · · · · · · · · · · · · · · · ·
Jits	tion searched other than minimum documentation to t uyo Shinan Koho 1922-1996 i Jitsuyo Shinan Koho 1971-2003	Jitsuyo Shinan Toroku Kol	ho 1996-2003
Electronic o	data base consulted during the international search (na	me of data base and, where practicable, so	earch terms used)
C. DOCUM	ÆNTS CONSIDERED TO BE RELEVANT		
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Further of	documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be	
date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such	
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other			
"P" documenthan the	nt published prior to the international filing date but later priority date claimed	combination being obvious to a person document member of the same patent	n skilled in the art
Date of the ac 10 Fe	ctual completion of the international search ebruary, 2004 (10.02.04)	Date of mailing of the international sear 06 April, 2004 (06	
Name and ma	ailing address of the ISA/	Authorized officer	
Japanese Patent Office			
Facsimile No.		Telephone No.	



INTERNATIONAL SEARCH REPORT



International application No. PCT/JP03/13519

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